Cairo Governorate

Nozha Directorate of Education

Nozha Language Schools



Department: Math. Form: 4th prim.

Sheet

Fractions

The fraction $\frac{1}{3}$ is read as (two over three) (two thirds)

- •2 is called numerator (it is the part of all)
- •3 is called denominator (it is the total)

1] Complete:

- a)In the fraction $\frac{1}{8}$ its numerator is and its denominator is
- b)In the fraction its numerator is 8 and its denominator is 11

[2] Write the fraction:

- b) third = a) half $= \dots$
- c) quarter= d) five-twelvths=
- e) one-forth= f) one-sevenths=



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هذا العمل خاص بموقع ذاكرولي التعليمي وغير مسموح بتداوله خارج الموقع او تحويله لصور كصي

Equal fraction

•Any number ÷ 1 = itself

[1] Complete:

a)
$$1 = \frac{2}{...} = \frac{...}{3} = \frac{8}{...} = \frac{11}{11}$$

b)
$$7 = \frac{1}{1}$$

g)
$$6 = \frac{6}{...}$$

c)
$$\frac{5}{1} = \dots$$

h)
$$9 = \frac{1100}{1}$$

$$m) \frac{\cdots - 1}{10} = \frac{1}{2}$$

d)
$$4 = \frac{4}{...}$$

$$i) \frac{12}{1} =$$

n)
$$\frac{2}{8} = \frac{0}{...}$$

e)
$$\frac{3}{5} = \frac{....}{10}$$

$$j) \frac{2}{7} = \frac{6}{\cdots \cdots \cdots}$$

o)
$$10 = \frac{50}{......}$$

f)
$$\frac{8}{12} = \frac{\dots \dots - 3}{3}$$

k)
$$\frac{1}{10} = \frac{30}{30}$$

q)
$$3 = \frac{3}{3}$$

r)
$$20 = \frac{.....}{2}$$

s)
$$\frac{1}{2} = \frac{5}{\dots \dots = 1} = \frac{3}{12} = \frac{\dots \dots = 1}{20} = \frac{\dots \dots = 1}{20}$$

$$t)\frac{3}{4} = \frac{\dots \dots - 1}{8} = \frac{9}{\dots \dots \dots - 1} = \frac{30}{20} = \frac{30}{\dots \dots \dots - 1}$$

$$1)^{\frac{6}{12}}$$

7)
$$\frac{10}{24}$$

$$\frac{27}{45}$$

$$8) \frac{26}{56}$$

$$\frac{14}{49}$$

9)
$$\frac{13}{26}$$

$$\frac{12}{46}$$

$$4)\frac{15}{27}$$

1)
$$\frac{16}{32}$$

1)
$$\frac{3}{5} = \frac{9}{10}$$
 in simplest form

$$\frac{Simplify}{Simplify}:$$

$$\frac{5}{10} = \frac{1}{12} \qquad 7, \frac{1}{24} \qquad 13, \frac{27}{48}$$

$$\frac{1}{2} = \frac{2}{10} \qquad 8, \frac{2}{56} \qquad 14, \frac{1}{44} \qquad 2$$

$$\frac{1}{3} = \frac{1}{2} \qquad 10, \frac{1}{32} \qquad 16, \frac{1}{86} \qquad 2$$

$$\frac{1}{3} = \frac{1}{3} \qquad 10, \frac{1}{32} \qquad 17, \frac{60}{900} \qquad 2$$

$$\frac{9}{12} \qquad 12, \frac{66}{77} \qquad 18, \frac{3}{56} \qquad 2$$

$$\frac{9}{10} = \frac{1}{10} \qquad \text{in simplest form} \qquad 2$$

$$\frac{9}{10} = \frac{1}{10} \qquad \text{in simplest form} \qquad 2$$

$$\frac{1}{3} = \frac{1}{10} \qquad \text{in simplest form} \qquad 2$$

$$\frac{3}{3} = \frac{6}{10} = \frac{1}{12} \qquad ($$

$$\frac{3}{10} = \frac{1}{10} \qquad \frac{3}{10} \qquad \frac{3}{$$

3)
$$\frac{2}{3} = \frac{6}{9} = \frac{8}{12}$$

4)
$$6 = \frac{1}{6}$$

5)
$$\frac{3}{7} = \frac{9}{2}$$

هذا العمل خاص بموقع ذاكرولي التعليمي وغير مسموح بتداوله خارج الموقع او تحويله لصور وسمعه

Adding and subtracting fraction $a_{17}^{5} + \frac{1}{7} = \dots$ $b_{13}^{5} + \dots = \frac{1}{5}$ $c_{17}^{3} + \dots = 1$ $d_{11}^{5} - \frac{3}{11} = \dots$ $e_{17}^{7} - \dots = \frac{1}{5}$ $g)(\frac{3}{5} + \frac{5}{5}) - 1 = \dots$

$$a)^{\frac{5}{7}} + \frac{1}{7} = \dots$$

$$b)^{\frac{2}{5}} + \dots = \frac{1}{5}$$

$$c)^{\frac{3}{4}} + \dots = 1$$

d)
$$\frac{6}{11} - \frac{3}{11} = \dots$$

$$e)^{\frac{4}{7}} - \dots = {\frac{1}{5}}$$

$$g)(\frac{3}{5} + \frac{6}{5}) - 1 = \dots$$

هذا العمل خاص بموقع ذاكرولى التعليمي وغير مسموح بتداوله خارج الموقع او تحويله لصور يسمعها

Type of fractions

(1)Proper fraction:

- •Must be < 1
- •N < D
- •Ex: $\frac{1}{2}$, $\frac{3}{5}$, $\frac{6}{11}$,

(2)Improper fraction:

- •Must be > 1
- $\bullet N > D$
- •Ex: $\frac{2}{1}$, $\frac{5}{3}$,

(3) Mixed number:

- •Must be ≥ 1
- •Whole number + proper fraction
- •Ex: $1\frac{4}{5}$, $2\frac{6}{11}$

[1] Write the following improper fraction into mixed number:

 $(1)\frac{30}{4}$

5) 4

6э 8) 10

 $(2)^{\frac{17}{5}}$

- 6) $\frac{11}{10}$

 $\frac{30}{(3)5}$

- 7) $\frac{9}{2}$
- $10) \frac{10}{5}$

 $\frac{59}{(4)^{\frac{2}{8}}}$

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هذا العمل خاص بموقع ذاكرولي التعليمي وغير مسموح بتداوله خارج الموقع او تحويله لصور كمصم

2+2-8

$$a)6\frac{2}{11} = \frac{67}{11}$$

b)6
$$\frac{2}{3} = \frac{20}{3}$$

$$(12) \frac{12}{3} = 6$$

$$\frac{9}{4} = 2\frac{1}{4}$$

هذا العمل خاص بموقع ذاكرولى التعليمي وغير مسموح بتداوله خارج الموقع او تحويله لصور وسمعه

Decimal numbers

Decimal numbers consist of two parts (the whole part , the decimal part and decimal point between them as [69.4])

We can change the fractions into decimal number if the denomenator is 10, 100 or 1000)

Example:
$$\frac{2}{10} = 0.2$$

 $7\overline{100} = 7.45$

and so on.....

Remember that:

•2 × 5 = 10
$$500 \times 2 = 1000$$

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هذا العمل خاص بموقع ذاكرولي التعليمي وغير مسموح بتداوله خارج الموقع او تحويله لصور كمصم

Now, change the following fractions into decimal numbers:

 $(1)2\overline{1}_{0}$

(7) 210n

 $(2)1\overline{1}_{1}$

 $(8) \frac{502}{100}$

 $(3)\frac{6}{10}$

(9) 209 10n

 $(4)1\frac{5}{10}$

(10) $6\overline{100n}$

 $(5)9\frac{1}{10}$

8015 (11) **100**₀

 $(6)4\frac{7}{10}$

81 (12) 26 **100**₀

> Write the following decimal numbers into improper fraction:

(1)3.65

(8) 0.5

(2)0.115

(9) 0.250

(3)3.0375

(10)4.53

(4)27.155

(11) 21.312

(5)0.08

(12) 0.507

(6)7.1

(13) 2.001

(7)6.125

(14)37.37

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هذا العمل خاص بموقع ذاكرولي التعليمي وغير مسموح بتداوله خارج الموقع او تحويله لصور يسمي

Write the following decimal numbers into mixed number:

(1)3.1

(6) 1.2

(2)17.23

(7) 0.3

(3)5.017

(8)6.7

(4)28.001

(9) 15.10

(5)6.09

(10) 777.0070

> Change the following fractions into decimal number:

 $(1)2^{\frac{4}{5}}$

 $(9)4\frac{3}{5}$

 $(2)3\frac{1}{2}$

 $(10) \overline{40}$

 $(3)10\frac{1}{5}$

(11) 84

 $(4)^{\frac{17}{2}}$

 $(12) 47\overline{25}$

(5)

5э $(13) \overline{5n}$

34 $(6)^{\frac{1}{20}}$

72 $(14) \ \overline{200}$

 $\begin{array}{c} 35 \\ (7)\overline{50} \end{array}$

(15) 100₂ / 30₀

 $(8)1^{\frac{1}{2}}$

24 $(16) \frac{1}{40n}$

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هذا العمل خاص بموقع ذاكرولي التعليمي وغير مسموح بتداوله خارج الموقع او تحويله لصور يسمي

Write the place value of the following underlined digits:

(a)5<u>2</u>3.7

(f) 6**0**.93

(b)416.94

(g) 456.<u>2</u>

(c)<u>5</u>02.762

(h) <u>2</u>060.9

(d)39.41<u>7</u>

Write the value of the following underlined digits:

(a)175.62

(f) 67<u>5</u>.261

(b)74.138

(g) 7.20<u>3</u>

(c)1000.1

(h) 0.0<u>6</u>9



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هذا العمل خاص بموقع ذاكرولي التعليمي وغير مسموح بتداوله خارج الموقع او تحويله لصور كمصص

موقع ذاكرولي التعليمي بوكليت مدرسة النزهة للغات

الصف الرابع الابتدائي

2+2-8

	Read and write
	Write the following in digits:
1)]	Eight and four tenths
2):	Six hundred thirty five and nine tenths
3)	Ten thousand, five hundred forty seven and one tenth
4):	Seven tenths
5)	Thirty seven and fifty hundedths
6)	Γwenty nine thousandths
7):	Seven hundred and thirty three hundrdths
8)	Four hundred and seven thousandths
9)	Sixteen hundredths
10) Six hundred one thousandths
11) Seventy six and three tenths
12) Forty threeand seventy six thousandth
<u> </u>	Write the following numbers in letters:
(1)	0.35
(2))2.09
(3)	064.075
(4)	01.001
(5)	36.2
(6)	0605.9

هذا العمل خاص بموقع ذاكرولي التعليمي وغير مسموح بتداوله خارج الموقع او تحويله لصور وسمست

>Complete:

$$(1)3.4 = 3 + \dots$$

(8)
$$+ 0.4 = 1$$

$$(2)7.2 = \dots + 0.2$$

$$(9) \dots + 0.5 = 1$$

$$(3)6.8 = \dots + \dots$$

$$(10) 0.1 + \dots = 1$$

$$(4)$$
.... = 6 + 0.3

$$(11) 0.1 + 0.6 + \dots = 1$$

$$(5)$$
.... = $0.2 + 3$

$$(12) 0.4 + 0.2 + \dots = 1$$

$$(6)2.46 = \dots + \dots$$

$$(7)3.71 = 3 + \dots$$

Arrange in an ascending order:

(a)34.12, 34.2, 34.102, 31.24

(b)2.7, 1.8, $2^{\frac{1}{2}}$, 2.43

(c)0.3, 0.003, 0.033, 0.33

(d)0.115 , 0.5 , $\overline{20}$

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هذا العمل خاص بموقع ذاكرولي التعليمي وغير مسموح بتداوله خارج الموقع او تحويله لصور وسيسو

2+2 8

> Arrang	e in a descending order:
(a)2.9 , 2	2.09 , 2.009 , 2.91
(b)2.3 , (0.23 , 0.023 , 2.03 , 23.3
(c)7and 4	tenths $,\frac{70_6}{10_0}$ $,7_{\overline{6}}$
Vnderli	ine the equal numbers:
(a)18.04	, 18.40 , 18.040 , 18.44 , 1.840
(b)0.10 ,	10.1 , 0.01 , 0.001 , 0.1
➤The nur	mbers that lying between 3 and 4
The nur	mbers that lying between 3.15 and 3.2
> <u>Comple</u> (a)79.841	<u>ete:</u> =+++
	= +
(b)62.304	= + + + +
	= + +

ذا العمل خاص بموقع ذاكرولى التعليمي وغير مسموح بتداوله خارج الموقع او تحويله لصور كالصيفي

Write the missing numbers: Write the missing numbers: ■

Operatios on the decimal numbers

Find the result:

$$(a)6.027 + 0.28 = \dots$$

(b)
$$7.1 + 11.85 = \dots$$

$$(c)29.165 + 361.92 = \dots$$

$$(d)0.329 - 0.15 = \dots$$

(e)
$$163.42 - 17.8 = \dots$$

$$(f)14 - 0.14 = \dots$$

Put (< , > , =):

(a)
$$7.5 + 3.2$$
 $1.6 - 1.7$

(b)
$$13 - 1.5$$
 $4.6 - 3.7$

(c)
$$1.2$$

(d)
$$1 \longrightarrow 0.999$$

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هذا العمل خاص بموقع ذاكرولي التعليمي وغير مسموح بتداوله خارج الموقع او تحويله لصور وسمعه

Find the results:

(a) $300 \div 100 = \dots$

(f)
$$1304.25 \times 10 = \dots$$

(b)
$$51.00 \div 10 \dots$$

(g)
$$7.5 \div 100 = \dots$$

$$(c)82301 \times 1000 = \dots$$

(h)
$$10 \div 1000 = \dots$$

$$(d)720 \times 100 = \dots$$

(i)
$$67.336 \times 10 = \dots$$

$$(e)164.3 \div 100 = \dots$$

(j)
$$228.99 \div 1000 = \dots$$

>Complete:

(a) 230 P.T. = L.E. (d)
$$\div$$
 10 = 4.5

(d)
$$\div 10 = 4.5$$

(e)
$$75 \div \dots = 0.75$$

><u>Put (< _, > , =)</u>

(a)
$$372 \div 10$$

$$372 \div 100$$

(b)4.3 + 2.5
$$48 \cdot \div 100$$

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	Story problems
(1)Mazen has 35 pounds. He bought a ball for L.E. 9.75, and a book for P.T. 840. How much money were left?
(2)Hanaa has 200 pounds. She wants to buy a shoe for L.E. 99.8, a bag for L.E45.75 and a dress for L.E. 70.25. can shee buy all what she wants? Why?
	3)Hossam has 425 L.E. and his sister hend has 9800 P.T. find the difference between what they have
	4)Ahmed has P.T. 653.5 and his friend Omar has P.T. 789.23 find the difference between what they have in pounds.
	5) Mona had eight pounds and three quarter, she gave her sister three pounds and half. How much money is left with Mona?
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ح بتداوله خارج الموقع او تحويله لصور أصص هذا العمل خاص بموقع ذاكرولى التعليمي وغير مسمو

2+2-8

General revision

Choose the correct answer:

- The place value of the digit 4 in the number $9.458 \dots (5 \text{ tens}, \overline{100}, \overline{10})$ (a)
- (b) 612 tenths = (6120, 61.2, 6.12)
- 8 tens and 8 tenths=..... (8.8, 8.08, 80.8)(c)
- $(\frac{3}{2}, \frac{320}{100}, 3\frac{2}{100})$ (d)
- (e) The decimal number that lies between 0.3 and 0.4 is (0.5, 0.2, 0.33)
- 7 **ड** = (e) (7.6, 7.3, 7.5)
- (11.5, 11.2, 11.02)(f)
- (2.5, 2.25, 2.75)(g)
- 30a (**100**₀ , 0.03 , 0.003) (h)
- 7 **100** = (7.9, 7.09, 7.009)(i)
- (j) (0.8, 0.08, 0.008)
- 354 354 354 $(\overline{100},\overline{1000},\overline{10})$ (k) 35.40 =
- 27435 27435 274.35 = (1)

Put (true) or (false):

(a)
$$0.240 = 0.024$$
 (

(b)
$$\frac{9}{10n} = 0.900$$
 ()

(c)
$$3.25 > 3\frac{2}{5}$$
 ()

(e)
$$\frac{1}{4} = 25 \text{ tenths}$$

(f) The place value of the digit 6 in 5.263 is
$$\overline{100}$$
 ()

Complete:

a)
$$47.85 + \dots = 100$$

c)
$$+ 54.8 = 77.59$$

d)
$$-41.41 = 3.8$$

e)
$$1 + \frac{2}{7} = \dots$$

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هذا العمل خاص بموقع ذاكرولي التعليمي وغير مسموح بتداوله خارج الموقع او تحويله لصور وسيسي

- 0.066 is read as
- 40.907 = + j)
- k) Ninety six and seven thousandths =
- $\dots + (\frac{6}{11} + \frac{2}{11}) = 1$
- m)
- n)
- 0)
- The place value of 3 in 7.63 is and its value is p)
- One hundred sixty eight and six hundredths = q)
- $8 + 0.02 = \dots$ r)
- s) (is read as)

Approximation

- Remember that:
- The place value of each digit of any number:
- (1) The whole number
- (2) Tenths, 1 decimal place, 0.1, $\overline{1}$
- (3) Hundredths , 2 decimal places , 0.01 , $\overline{10}$ n → Hundredth
- (4)Thousandths , 3 decimal places , 0.001 , $\overline{100}$ n → Thousandth

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هذا العمل خاص بموقع ذاكرولي التعليمي وغير مسموح بتداوله خارج الموقع او تحويله لصور كالصيفة

oThe week digits are: 1, 2, 3, 4

The strong digits are: 5,6,7,8,9

[1] Approximate to the nearest tens:

a)7651

b) 21395

c) 9999

[2] Approximate to the nearest hundreds:

a)53824

d) 990909

b)89950

e) 603499

[3] Approximate to the nearest thousands:

c)786296

c) 75049.9

d)5519900

d) 4321.99

[4] Approximate to the nearest ten thousands:

a)65432.1

b) 236849.99

c) 13950.5

[5] Approximate to the nearest hundred thousand:

a)87654321

d) 12345678.9

b)5614765.3

[6] Approximate to the nearest tenth:

(a)13.57

(e) 296.64

(i) 63995₀

(b)90.092

(f) 449³

(j) 50210n

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هذا العمل خاص بموقع ذاكرولي التعليمي وغير مسموح بتداوله خارج الموقع او تحويله لصور كمصم

a)29301.5 + 5436.4 =
$$\underline{\sim}$$
 (to the nearest ten thousand)

b)6931.5 + 9136.72 =
$$\underline{\sim}$$
 (to the nearest hundred thousand)

d)
$$46257 - 15391 = \dots - \underline{}$$
 (to the nearest hundreds)

e)14.352 + 25.687 =
$$\underline{\sim}$$
 (to the nearest $\overline{\textbf{1o}}$)

f)253.607 – 114.98 =
$$\geq$$
 (to the nearest 1 decimal place)

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هذا العمل خاص بموقع ذاكرولي التعليمي وغير مسموح بتداوله خارج الموقع او تحويله لصور وسميع

√ Approximate to the nearest unit:

(b)
$$\frac{7}{10}$$

√ Find the result

(a)75 + 64.3 =
$$\underline{\sim}$$
 (to the nearest whole number)

(b)
$$362.6 - 29.1 = \dots - (to the nearest unit)$$

> Complete:

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هذا العمل خاص بموقع ذاكرولي التعليمي وغير مسموح بتداوله خارج الموقع او تحويله لصور وسيسو

2+2-8

Complete:
<u>compresses</u>
a)9917 \simeq 9920 approximating to the nearest
b)768154 <u>~</u> 770000 approximating to the nearest
c)329917 $\underline{\sim}$ 300000 approximating to the nearest
d)0.643 \simeq 1 approximating to the nearest
e)49 <u>~</u> 0 approximating to the nearest
f)9456 \simeq 10000 approximating to the nearest
2)What is the smallest whole number that if approximating to the nearest hundred thousand the result will be 15 200 000.
3)What is the greatest and the smallest whole number that if approximating to the nearest 1 decimal place the result will be 72.2
The greatest: The smallest:
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ح بتداوله خارج الموقع او تح هذا العمل خاص بموقع ذاكرولى التعليمي وغير مسمو

93	the distance between two cities is 4625 meters approximate this distance to the nearest km
5)If	the distance between two cities is 186902 meters approximate this
	distance to the nearest km
6)A	cyclist is riding with speed of 7300 m. per hour find the distance he
	covers in 3 hours approximating to the nearest 1000?
7)M	ona bought 3 kg of apples for P.T. 475 each, how much money did she
	pay? (Approximated to the nearest pound)
8) <i>S</i> a	ra bought a bag for 9276 P.T. and a dress for L.E. $173\frac{1}{2}$, if she had L.E. 300, how much is left with her? Then approximate to the nearest L.E.?
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هذا العمل خاص بموقع ذاكرولي التعليمي وغير مسموح بتداوله خارج الموقع او تحويله لصور وسمي

2+2-8

General revision

[1] Find the result:

a)
$$7.26 + 8.039 = \dots \geq \dots \geq \dots$$
 (to the nearest hundredths)

b)
$$99 - 54.67 = \dots - \underline{}$$
 (to the nearest tens)

c)
$$3.7 \times 100 = \dots$$
 (to the nearest 100)

d)
$$4.8 \div 10 = ...$$
 (to the nearest $\frac{1}{10}$)

a)
$$6.25 + 2.745 = \dots$$
 (to the nearest hundredths)

b)
$$73.9 - 8.44 = \dots$$
 (to the nearest whole number)

[2] Put(<,>,=):

c)
$$\frac{2}{5}$$
 0.37

c)
$$\frac{3}{4}$$
 0.79

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هذا العمل خاص بموقع ذاكرولي التعليمي وغير مسموح بتداوله خارج الموقع او تحويله لصور وسمع

[3] Complete:

a)
$$\frac{4_0}{20n}$$
 (Simplify)

b)
$$4\frac{2}{13} = \dots$$
 (as an improper)

c) 45 minutes
$$\geq$$
 hour

d)
$$7.89 = \dots$$
 (as a mixed number)

e)
$$\frac{3}{6}$$
 (as a decimal number)

a) 976 piaster's
$$\geq$$
pounds

g)
$$6\frac{1}{4}$$
 = (in an improper fraction)

h)
$$+ 64.333 = 100$$

j)
$$\frac{2}{4} = \frac{16}{16}$$

k)
$$\frac{2}{3} = \frac{\dots}{6} = \frac{10}{\dots} = \frac{12}{27} = \frac{12}{\dots}$$

Congruency

とくりょくしょく しんしんしんしん しんしんしんしんしんしんしんしんしんしんしんしんしんしん

The symbol \equiv is read as (is congruent to)

Two polygons are congruent if:-

- (1) Their corresponding sides are equal in length.
- (2) Their corresponding angles are equal in measure.

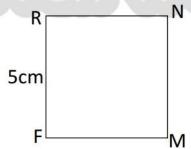
>Remarks:-

1) Two squares are congruent if the side length of one of them equals the side length of the other one (since all its angles are right angles)

[1] Draw the rectangle ABCD such that it is congruent to the rectangle FSNH.



[2] Draw the square OPSQ such that it is congruent to the square RFMN.



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هذا العمل خاص بموقع ذاكرولي التعليمي وغير مسموح بتداوله خارج الموقع او تحويله لصور وسيميع

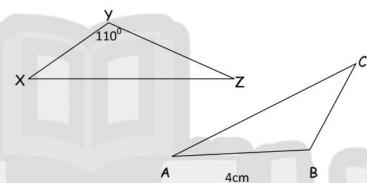
[4] Put $(\sqrt{})$ or (x):

- (a) The measures of the angles of non-congruent figure are not equal (
- (b) The measures of the angles of the congruent figure are not equal (
- (c)An isosceles triangle can be congruent with an equilateral triangle (

[5] In the opposite figure:

Complete:

c)M(
$$<$$
 B) =





Complete:

$$a)\overline{AB} \equiv \dots$$

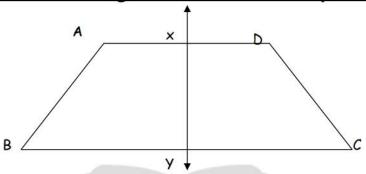




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هذا العمل خاص بموقع ذاكرولي التعليمي وغير مسموح بتداوله خارج الموقع او تحويله لصور كالصيفة

Symmetrical figures and lines of symmetry



XI is a symmetrical line (folding line)

A is congruent to $D \longrightarrow A \equiv D$

B is congruent to $C \longrightarrow B \equiv C$

 $\overline{\mathbf{A}}$ is congruent to $\overline{\mathbf{D}}$

The shape	Lines of symmetry
Rectangle	2
Square	4
Parallelogram	0
Rhombus	2
Isosceles trapezium	
Non-isosceles trapezium	0
Equilateral triangle	3
Isosceles triangle	1
Scalene triangle	0
Circle	Many (very large numbe
The figure ABYX is congruent to the figure The shape Rectangle Square Parallelogram Rhombus Isosceles trapezium Equilateral triangle Isosceles triangle Scalene triangle Circle	

[2] Put (√) or (x) :

- a) There are more than one line of symmetry for this shape ()
- b)B is congruent to C(
- c) \triangle ADC is congruent to \triangle ABC ()
- d) Δ ADC is symmetry to Δ ABC (
- e)The parallelogram has 1 line of symmetry ()
- f)There is no line of symmetry in isosceles triangle (

[3] Complete (Write how many folding line in each figure)

- a) The parallelogram has lines of symmetry.
- b) The rectangle has lines of symmetry.
- c) The scalene triangle has lines of symmetry.
- d)The square has lines of symmetry.
- e)The isosceles trapezium has line of symmetry.
- f)The rhombus has lines of symmetry.
- g)The non isosceles trapezium has line of symmetry.

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h) The circle has line of symmetry.

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هذا العمل خاص بموقع ذاكرولى التعليمى وغير مسموح بتداوله خارج الموقع او تحويله لصور كمسمو

> Put (true) or (false):

- (a) The parallelogram has 4 lines of symmetry
- (b) The rectangle has 4 lines of symmetry
- (c) The scalene triangle has 3 lines of symmetry
- (d)The square has 4 lines of symmetry
- (e)The trapezium has line of symmetry

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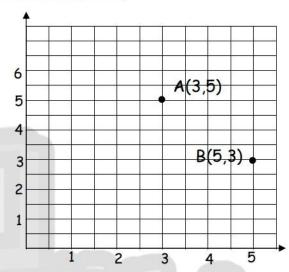
هذا العمل خاص بموقع ذاكرولي التعليمي وغير مسموح بتداوله خارج الموقع او تحويله لصور وسيسي

بوكليت مدرسة النزهة للغات موقع ذاكرولي التعليمي الصف الرابع الابتدائي

Two-dimensional coordinate's plane

>Remark:

- (1) There is an ordered pair for each point in the coordinate plane
- (2) If A= (3,5), then the first coordinate (dimension) of A is 3, and the second coordinate (dimension) of A is 5.
- (3) $(3,5) \neq (5,3)$ since B = (5,3)



[2] In the 2-dimensional coordinate plane,

Find the position of each of the following points:

F is represented by (1,2)

M is represented by (3,1)

S is represented by (2,4)

O is represented by (4,3)

[3] In the 2-dimensional coordinate plane.

- a) Draw the figure ABCD where: A(1,5), B(3,1), C(7,1) and D(5,5). Draw An BC CD Do.
- b)This shape is called
- c) An Co

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هذا العمل خاص بموقع ذاكرولي التعليمي وغير مسموح بتداوله خارج الموقع او تحويله لصور وسيسو

[4]	I In the	2-dimensional	coordinate	nlane
	THINE	L-uillelisional	cool amare	plune

- a) Draw the figure XYZ L, where X(3,6), Y(5,5), Z(3,4) and L(1,5)
- b) Draw in the same plane the figure ABCD.

- c) Are the two figures congruent?
- d) The name of the figure is XYZL is
- e) Lo Zo and ABCD.

[5] Draw the triangle XYZ where X(1,2)Y(1,0)Z(4,0)

Then draw triangle ABC congruent to the triangle XYZ.

> Put (true) or (false):

- (a) The parallelogram is a quadrilateral where every two opposite side are parallel (
- (b) The rectangle is a quadrilateral where all angles are right angles (
- (c) The rhombus is a quadrilateral where all its sides are equal in length (
- (d) The ordered pair (2,7) = the ordered pair (7,2)

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هذا العمل خاص بموقع ذاكرولي التعليمي وغير مسموح بتداوله خارج الموقع او تحويله لصور وسيميع

> Complete:

it is not For the rectangle

(b)Two squares are congruent if.....

(c) If X = (7, 3), then the first coordinate of X is and the second coordinate of X is

(d)If B = (21, 53), then the second coordinate of B is and the first coordinate of B is

(e)If (5, x) = (y, 6) then, $x = \dots$ and $y = \dots$

(f) The rectangle ABCD \equiv the rectangle XYZL, Then BC \equiv

and $m < Z \equiv m < \dots$

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The capacity

1 Liter = 1000 milliliter

[1] Complete:

- a)3 Liter = milliliter.
- b)6000 milliliter = liter.
- c)7500 milliliter = liter.
- d)7.85 liter = milliliter.
- e)5 liter = milliliter.

- (f) 6.250 liter = milliliter.
- (g) 30 liter = milliliter.
- (h) 8 milliliter = liter.
- (i) 5.5 liter = milliliter.
- (j) 90 milliliter = liter.

[2] Put (< , > , =):

- a) 4 dm3 250cm³
- b)4500 milliliter 5 liter
- c) 4 liter 30 milliliter

[3] Arrange in an ascending order:

 2000 cm^3 , 3 dm^3 , 2.75 liters , 1650 milliters

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The weight

1 ton = 1000 kg

1 kg = 1000 gm

[1] Complete:

[2] Arrange in an ascending order:

2500 kg , 600 gm , 5 ton

850 kg , 700 gm , 2 ton

[3] Choose:

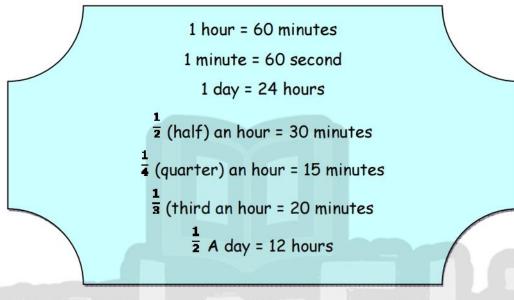
- a) The weight of a golden ring (5 kg, 5 gm, 5 ton)
- b) A lorry can be loaded with (30 kg, 3 ton, 300 gm)
- c)The weight of my book (1kg, 0.5 kg, 1 ton)

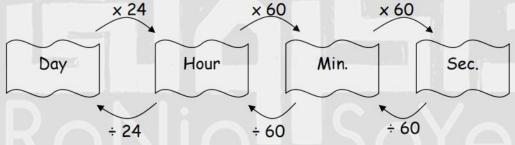
36

هذا العمل خاص بموقع ذاكرولي التعليمي وغير مسموح بتداوله خارج الموقع او تحويله لصور وسيسو

The Time







[1] Complete:

- a)3 hours = minutes.
- b) $\frac{1}{2}$ hours = min.
- c)370 min = hours.
- d)135 min = hours.
- e)32 hours = days.
- f)2 days = min.
- g)6.5 days = hours.

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هذا العمل خاص بموقع ذاكرولي التعليمي وغير مسموح بتداوله خارج الموقع او تحويله لصور يسميعه

1	
n) = day = min.	
)4 day = hours	
3 j)4 day = Hours = Min	
k)2 days and half = hours	
)1 ½ hours = minutes	
m) 30 days = weeks, days	
n)2 hours, 20min = min	

[2] Arrange in a descending order:

[3] Put > , < or =

e)730 min

- a)3.5 hours 12700 sec. b) $\frac{1}{2}$ hour $\frac{1}{2}$ day c)4 days 120 hours
- d)3000 min 180000 sec.
- f)15 min half an hour

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5 hours.

هذا العمل خاص بموقع ذاكرولى التعليمي وغير مسموح بتداوله خارج الموقع او تحويله لصور والمستعق

The Temperature

>Remarks

- •The unit for measuring temperature is: degree centigrade (${}^{\circ}C$)
- •Temperature is measured by the thermometer
- •The normal body temperature is 37° C
- •The temperature of boiling water is 100° C
- •The temperature of freezing water (ice) is 0° C

> Choose:

- $(27^{\circ}C 35^{\circ}C 37^{\circ}C)$ a)The normal body temperature is
- b) The body temp. of a sick person may be $(37^{\circ}C 40^{\circ}C 63^{\circ}C)$
- c) The weather is very hot, so the temp. will be $(20^{\circ} C 5^{\circ} C 40^{\circ} C)$
- d) The weather is very cold, so the temp. will be (10° C 48° C 30° C)
- e)In summer we wear (Light normal heavy) clothes.
- f)In spring we wear (Light normal heavy) clothes.
- $(1^{\circ}C 100^{\circ}C 0^{\circ}C)$ g)The water becomes ice at
- $(1^{\circ}C 100^{\circ}C 0^{\circ}C)$ h)The water boils at

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Story problems [1] A farmer works 9 hours daily, his salary is L.E 5 per hour (he works 6 days a week), find his Salary (a) In a week (b) In 4 weeks [2] A woman bought 7000 gm of oranges, each one kilogram for L.E 13. How much money did she pay? [3] A family of 6 persons eat 3 kg of fish every week. The price of each kilogram is L.E 17. How much money does this family pay for buying fish per month ? General revision [1] Complete: a)650 liter = milliliter. b)7 liter = milliliter. c)3.5 days = hours. d)800 milliliter = liter. e)8.75 tons = kg.

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هذا العمل خاص بموقع ذاكرولي التعليمي وغير مسموح بتداوله خارج الموقع او تحويله لصور كالصيفة

f)18 hours = day.

q) hour =sec.

h)235 min = hours.

The probability

Note that:

The certain event = 1

The impossible event = Zero

The possible event = fraction (lying between 0 and 1)

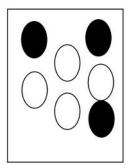
The possible event < 1

[1] Choose:

- (certain possible impossible) a)The sun rises in the west
- b)A pupil goes to school (certain – possible – impossible)
- c)I watch television 4 times a week (certain possible impossible)
- d)I go on a school trip (certain – possible – impossible)
- e)My hair will become green (certain – possible – impossible

[2] Look at the opposite figure, and complete.

- a)The probability of getting black ball
- b)The probability of picking white ball
- c)The probability of the drawn ball being red
- d)The probability of getting black or white ball



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هذا العمل خاص بموقع ذاكرولي التعليمي وغير مسموح بتداوله خارج الموقع او تحويله لصور كالصيفة

3] If we flip a coin, we get either heads or t	ails. Complete :
a)The probability of getting heads =	
b)The probability of getting tails =	
<u>41</u> In a class of 40 pupils, 23 are boys and 17 school.	7 are girls one day, only 39 pupils came to
What is the probability of the absent pupil be	ing a boy ?
In a class of 50 pupils, 35 of them are girl probability that the pupil is a girl	s. If a pupil chosen randomly, find the
Al	poy
6] If we drawn from a box with 3 red balls,	5 yellow balls and
2 green balls. Then find:	
(a)The probability of getting red ball	
(b)The probability of getting black ball	
(c)The probability of getting green ball	
(d)The probability of getting yellow ball .	
(e)The probability of getting red or yellov	v ball
(f)The probability of getting green or yell-	ow ball
(g)The probability of getting red or yellow	v or green ball
7] if we throw a die, then: Find the probab	ility of getting
a)Number (4)	(g) Odd number
b)Number less than 1	(h) Number (7)
c)Even number	(i) Number less than 6
	(j) Number more than 5
d)Number less than 4	() Number more man 3
d)Number less than 4e)Number more than 0	(k) Number (1)

هذا العمل خاص بموقع ذاكرولي التعليمي وغير مسموح بتداوله خارج الموقع او تحويله لصور أصصح

Collecting, displaying and representing data

[1] The following table shows the maximum and the minimum temperature in five capitals during one day:

Capital Max and Min	Cairo	Paris	Rome	London	Mosco
Maximum	23	18	10	12	6
Minimum	17	12	5	6	3

Represent these data by double bars graph

[2] The following table indicates how many hours at night Manal slept for the last two weeks

	Sat .	Sun.	Mon.	Tues.	Wed.	Thurs.
Week 1	6	4	7	6	6	9
Week 2	8	7	8	8	5	7

- a) Represent these data using the double bars graph.
- b) How many hours did Manal sleep for the last two weeks?

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Merchant C 60 35 60 55 70 60 Represent these data by triple bars. By using the tree - diagram to find six 3_different digits numbers (by	Merchant B 50 35 Merchant C 60 35 Represent 1 4] By using the tree - diagram to fill he digits 8, 3 and 7)	50 60 hese dat	70 55 ta by trip	65 70 Die bars .	50 60 bers (b
Merchant C 60 35 60 55 70 60 Represent these data by triple bars . By using the tree - diagram to find six 3_different digits numbers (by e digits 8 , 3 and 7)	Merchant C 60 35 Represent to the diagram of the digits 8, 3 and 7)	hese dat	55 ta by trip	70 Die bars . digits numb	bers (by
Represent these data by triple bars . By using the tree - diagram to find six 3_different digits numbers (by e digits 8 , 3 and 7)	Represent to Present t	hese dat	lifferent o	ole bars .	bers (by
By using the tree - diagram to find six 3_different digits numbers (by e digits 8 , 3 and 7)	By using the tree – diagram to fine digits 8 , 3 and 7)	nd six 3_d	lifferent o	digits numb	bers (by
		ة عليه	مذكرة	فی أی	غك ت

[4] By using the tree - diagram to find six 3 _different digits numbers (b) the digits 8 , 3 and 7)	y using
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هذا العمل خاص بموقع ذاكرولي التعليمي وغير مسموح بتداوله خارج الموقع او تحويله لصور وسيسي